

SEQUENCE LISTING

<110> Robert Sullivan et al.

<120> ACROSOMAL SPERM PROTEIN AND USES THEREOF

<130> 13045-2US-1 FC/ntb

<140> 09/719,053

<141> 1999-05-13

<150> US09/090,567

<151> 1998-06-08

<150> PCT/CA99/00437

<151> 1998-05-13

<160> 7

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 1081

<212> DNA

<213> Artificial Sequence

<220>

<221> CDS

<222> (124)...(856)

<223> p26h cDNA

<400> 1

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tgagcagata aaccttaacc tcagccctc cctcgccac aggaggacac tgggtgcagc	120
agc atg aag ctg aat ttc act ggt ctc agg gct ctg gtg acc ggg gca	168
Met Lys Leu Asn Phe Thr Gly Leu Arg Ala Leu Val Thr Gly Ala	
1 5 10 15	
ggg aga ggg att ggg cga ggc act gcg aaa gcc ctg cat gcc tca gga	216
Gly Arg Gly Ile Gly Arg Gly Thr Ala Lys Ala Leu His Ala Ser Gly	
20 25 30	
gcc aaa gtg gtg gcc gtg tca ctc atc aac gaa gac ctg gtc agc ctg	264
Ala Lys Val Val Ala Val Ser Leu Ile Asn Glu Asp Leu Val Ser Leu	
35 40 45	
gcc aaa gag tgt ccg ggc ata gag cct gtg tgt gtg gac ctg ggt gac	312
Ala Lys Glu Cys Pro Gly Ile Glu Pro Val Cys Val Asp Leu Gly Asp	
50 55 60	
tgg gag gcc aca gag aag gca ctg ggc cgt att ggc ccc gtg gac ctg	360
Trp Glu Ala Thr Glu Lys Ala Leu Gly Arg Ile Gly Pro Val Asp Leu	
65 70 75	

ctg gtg aac aat gcg gcg gtg gcg cta gtg cag cct ttc ata cag tct	408
Leu Val Asn Asn Ala Ala Val Ala Leu Val Gln Pro Phe Ile Gln Ser	
80 85 90 95	
acc aag gag gtc ttt gac agg tcc ttc aat gtg aat gtg cgc tct gtg	456
Thr Lys Glu Val Phe Asp Arg Ser Phe Asn Val Asn Val Arg Ser Val	
100 105 110	
ctg caa gtg tcc cag atg gta gcc aag ggc atg att aac cgt gga gtg	504
Leu Gln Val Ser Gln Met Val Ala Lys Gly Met Ile Asn Arg Gly Val	
115 120 125	
gca gga tcc att gtc aac atc tcc agc atg gtg gcc tat gtc acc ttc	552
Ala Gly Ser Ile Val Asn Ile Ser Ser Met Val Ala Tyr Val Thr Phe	
130 135 140	
cct ggt ctg gcc acg tac agc tcc acc aag ggt gct ata acc atg ctg	600
Pro Gly Leu Ala Thr Tyr Ser Ser Thr Lys Gly Ala Ile Thr Met Leu	
145 150 155	
acc aaa gcc atg gcc atg gag ctg gga cca tac aag atc cgg gtg aac	648
Thr Lys Ala Met Ala Met Glu Leu Gly Pro Tyr Lys Ile Arg Val Asn	
160 165 170 175	
tct gta aac cct acc gtg gtg ctg act gac atg ggc aag aaa gtc tct	696
Ser Val Asn Pro Thr Val Val Leu Thr Asp Met Gly Lys Lys Val Ser	
180 185 190	
gca gac ccg gaa ttt gcc aag aag ctc aag gag cgc cac cca ctg agg	744
Ala Asp Pro Glu Phe Ala Lys Lys Leu Lys Glu Arg His Pro Leu Arg	
195 200 205	
aag ttc gca gag gtg gag gac gtg gtc aac agc atc ctc ttc ctg ctc	792
Lys Phe Ala Glu Val Glu Asp Val Val Asn Ser Ile Leu Phe Leu Leu	
210 215 220	
agc gac agc agc gcc tct acc agc ggc tct ggc atc ctg gtg gac gct	840
Ser Asp Ser Ser Ala Ser Thr Ser Gly Ser Gly Ile Leu Val Asp Ala	
225 230 235	
ggt tac ctg gcc tcc t agacggccca ggtgcagggg actcctggag acttccttg	896
Gly Tyr Leu Ala Ser	
240	
cctcaccctt acatcaagac cccgccttca acccaaccca ataattttgt tcgaatcctg	956
tagagcccca cccacacac atccatcccc aacttttagac tccgggatcc cgccattcca	1016
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aaaaa	1081

<210> 2
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<220>
 <223> p26h protein

<400> 2

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			20					25					30		
Lys	Val	Val	Ala	Val	Ser	Leu	Ile	Asn	Glu	Asp	Leu	Val	Ser	Leu	Ala
		35					40					45			
Lys	Glu	Cys	Pro	Gly	Ile	Glu	Pro	Val	Cys	Val	Asp	Leu	Gly	Asp	Trp
	50					55					60				
Glu	Ala	Thr	Glu	Lys	Ala	Leu	Gly	Arg	Ile	Gly	Pro	Val	Asp	Leu	Leu
65					70					75					80
Val	Asn	Asn	Ala	Ala	Val	Ala	Leu	Val	Gln	Pro	Phe	Ile	Gln	Ser	Thr
			85						90					95	
Lys	Glu	Val	Phe	Asp	Arg	Ser	Phe	Asn	Val	Asn	Val	Arg	Ser	Val	Leu
			100					105					110		
Gln	Val	Ser	Gln	Met	Val	Ala	Lys	Gly	Met	Ile	Asn	Arg	Gly	Val	Ala
		115					120					125			
Gly	Ser	Ile	Val	Asn	Ile	Ser	Ser	Met	Val	Ala	Tyr	Val	Thr	Phe	Pro
	130					135						140			
Gly	Leu	Ala	Thr	Tyr	Ser	Ser	Thr	Lys	Gly	Ala	Ile	Thr	Met	Leu	Thr
145					150					155					160
Lys	Ala	Met	Ala	Met	Glu	Leu	Gly	Pro	Tyr	Lys	Ile	Arg	Val	Asn	Ser
			165						170					175	
Val	Asn	Pro	Thr	Val	Val	Leu	Thr	Asp	Met	Gly	Lys	Lys	Val	Ser	Ala
			180					185					190		
Asp	Pro	Glu	Phe	Ala	Lys	Lys	Leu	Lys	Glu	Arg	His	Pro	Leu	Arg	Lys
	195						200					205			
Phe	Ala	Glu	Val	Glu	Asp	Val	Val	Asn	Ser	Ile	Leu	Phe	Leu	Leu	Ser
	210					215					220				
Asp	Ser	Ser	Ala	Ser	Thr	Ser	Gly	Ser	Gly	Ile	Leu	Val	Asp	Ala	Gly
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Tyr	Leu	Ala	Ser												

<210> 3

<211> 912

<212> DNA

<213> Artificial Sequence

<220>

<223> P34 cDNA

<400> 3

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accggggcag	gcaaaggtat	agggcgcggc	acgggtccagg	cgctgcacgc	gacgggcgcg	180
cggggtggtg	ctgtgagccg	gactcaggcg	gatcttgaca	gccttgtcgc	cgagtggccg	240
gggatagaac	ccgtgtgctg	ggacctgggt	gactgggagg	ccaccgagcg	ggcgctgggc	300
agcgtggggc	ccgtggacct	gctggtgaac	aacgcgcgtg	tcgccttgct	gcagcccttc	360
ctggagggtca	ccaaggaggc	ctttgacaga	tcctttgagg	tgaacctgcg	tgcggtcatc	420
caggtgtcgc	agatttgtgc	caggggctta	atagcccggg	gagtaccagg	ggccatcggt	480
aatgtctcca	gccagtgtgc	ccagcgggca	gtaactaacc	atagcgtcta	ctgctccacc	540
aaggggtgccc	tggacatgct	gaccaagggt	atggccctag	agctcggggc	ccacaagatc	600
cgagtgaatg	cagtaaacc	cacagtgggt	atgacgtcca	tgggcccagg	cacctggagt	660
gacccccaca	aggccaagac	tatgctgaac	cgaatccac	ttggcaagtt	tgctgaggta	720

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gagcacgtgg tgaacgccat cctctttctg ctgagtgacc gaagtggcat gaccacgggt 780
tccacttttg cggtggaaag gggcttctgg gctgctgag ctcctccac acacctcaag 840
ccccatgccg tgcctcctc accccaatc cctccaataa acctgattct gctcccaaaa 900
aaaaaaaaaa aa 912

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<210> 4
<211> 11
<212> PRT
<213> Artificial Sequence

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<220>
<223> P34 antigenic fragment

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<400> 4
Met Glu Leu Phe Leu Ala Gly Arg Arg Val Leu
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<210> 5
<211> 11
<212> PRT
<213> Artificial Sequence

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<220>
<223> P34 antigenic fragment

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<400> 5
Cys His Lys Ala Lys Thr Met Leu Asn Arg Ile
1          5          10

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<210> 6
<211> 21
<212> DNA
<213> Artificial Sequence

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<220>
<223> cDNA for use as primer

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<400> 6
gtgacagggg cagggaaaagg g 21

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<210> 7
<211> 21
<212> DNA
<213> Artificial Sequence

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<220>
<223> cDNA for use as primer

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<400> 7
gcaactgagc agactaggag g 21

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